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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/535,753	05/19/2005	Peter J Slikkerveer	NL02 1164 US	9182

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PHILIPS ELECTRONICS NORTH AMERICA CORPORATION
INTELLECTUAL PROPERTY & STANDARDS
370 W. TRIMBLE ROAD MS 91/MG
SAN JOSE, CA 95131

EXAMINER

NGUYEN, LAUREN

ART UNIT	PAPER NUMBER
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2871

MAIL DATE	DELIVERY MODE
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08/31/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/535,753

Applicant(s)

SLIKKERVEER ET AL.

Examiner

Lauren Nguyen

Art Unit

2871

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 April 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) 8-17 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 and 18-24 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 05/19/2005.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of **Group I** invention, including **claims 1-7 and 10**, in the reply filed on 04/20/2007 is acknowledged.
2. During a telephone conversation with Frank Keegan on 04/25/2007 a provisional election was made without traverse to prosecute the invention of Group I, claims 1-7. Affirmation of this election must be made by applicant in replying to this Office action. Claims 8-17 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.
3. Claims 8-17 are cancelled and claims 18-24 are added. Thus, claims 1-7 and 18-24 are pending for examination.

Priority

4. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Information Disclosure Statement

5. The information disclosure statement filed on 05/19/2005 fails to comply with 37 CFR 1.98(a)(2), which requires a legible copy of each cited foreign patent document; each non-patent literature publication or that portion which caused it to be listed; and all other information or that portion which caused it to be listed. It has been placed in the application file, but the information referred to therein has not been considered.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

a. A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. **Claims 1-3, 5-7, 18-20, and 21-24** are rejected under 35 U.S.C. 102(e) as being anticipated by **Chen (US 6,654,071)**.

8. With respect to **claim 1**, **Chen** (figures 1-7) discloses a method of manufacturing a curved flat panel display device, comprising the step of adhering, at least a first film (100) to the surface of a second film (85), in such a way that the films are held in a curved shape (figure 7) by means of the adhesion between the films (see at least column 2, lines 15-18).

9. With respect to **claim 2**, as applied to **claim 1** above, **Chen** (figures 1-7) discloses one of said films is a display layer exhibiting display functionality (85), and the other one of said layer films is an additional film (100).

10. With respect to **claim 3**, as applied to **claim 2** above, **Chen** (figures 1-7) discloses the step of pre-tensioning said additional film (100) before it is adhered to the surface of said display layer (85; see at least column 2, lines 51-59).

11. With respect to **claim 5**, as applied to **claim 2** above, **Chen** (figures 1-7) discloses the step of applying a bending force to one of said films, in which position the other film is bent and adhered to a surface of the bent film (figure 7; see at least column 2, lines 12-15).

Art Unit: 2871

12. With respect to **claim 6**, as applied to **claim 2** above, **Chen** (figures 1-7) discloses said additional film (100) is arranged to be adhered to one of an intended inner or outer side of the curvature of the flat panel display (figure 7; see at least column 2, lines 12-15).

13. With respect to **claim 7**, as applied to **claim 2** above, **Chen** (figures 1-7) discloses said adhering of the additional film to the display film is done by means of laminating (see at least column 2, lines 15-18).

14. With respect to **claim 18**, **Chen** (figures 1-7) discloses a method of manufacturing a curved flat panel display device, comprising the step of providing a first film (100), applying a force to the first film to achieve a curvature (figure 7), and adhering a second film (85) to the surface of the first film, the second film and the adhesion between the first and second films restraining all or part of said force, whereby a desired curvature of the curved flat panel display device is maintained (figure 7; see at least column 2, lines 15-18).

15. With respect to **claim 19**, as applied to **claim 18** above, **Chen** (figures 1-7) discloses one of said films is a display layer exhibiting display functionality (85), and the other one of said layer films is an additional film (100).

16. With respect to **claim 20**, as applied to **claim 19** above, **Chen** (figures 1-7) discloses the first film is the additional film (100) and the step of applying a force comprises pre-tensioning the additional film before the additional film is adhered to the surface of the display layer (85; see at least column 2, lines 51-59).

17. With respect to **claim 22**, as applied to **claim 19** above, **Chen** (figures 1-7) discloses the step of applying a bending force, in which position the first film (100) is bent and adhered to a surface of the second film (85, figure 7).

Art Unit: 2871

18. With respect to **claim 23**, as applied to **claim 19** above, **Chen** (figures 1-7) discloses said additional film (100) is arranged to be adhered to one of an intended inner or outer side of the curvature of the flat panel display (figure 7; see at least column 2, lines 12-15).

19. With respect to **claim 24**, as applied to **claim 19** above, **Chen** (figures 1-7) discloses said adhering of the additional film to the display film is done by means of laminating (see at least column 2, lines 15-18).

Claim Rejections - 35 USC § 103

20. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

21. **Claims 4 and 21** rejected under 35 U.S.C. 103(a) as being unpatentable over **Chen** in view of **Yamamoto et al. (US 4,592,623)**.

With respect to **claims 4 and 21**, **Chen** discloses the limitations as shown in the rejection of **claims 3 and 20** above. However, **Chen** fails to teach the step of pre-tensioning said additional film comprises the step of uni-axially stretching said additional film, during the adhering process. **Yamamoto et al.** (in at least column 5, lines 31-34) teaches the step of pre-tensioning said additional film comprises the step of uni-axially stretching said additional film, during the adhering process. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the method of manufacturing a curve flat panel display device of **Chen** with the uniaxially stretch method of **Yamamoto et al.** because such modification would impart the corrosion resistance against chemicals to the films.

Art Unit: 2871

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lauren Nguyen whose telephone number is (571) 270-1428. The examiner can normally be reached on M-F, 7:30-5:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Lauren Nguyen

August 23, 2007


ANDREW SCHECHTER
PATENT EXAMINER